1st & final bill

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63929

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	Name of work:- Improvements to RCC drain & Covering Slab at Kala- - Shrinagar Cross Roads 3rd, 4th, 5th, 6th in W.No-15- T. Dasarahalli						
	Estimate cost:- RS 50.00 lakhs.						
	Job Code :- 015-18-000005. P Code:- 1878						
	Egency:- KRIDL.						
	A.A No:- EE/DD/AS/125/16-17, Dt. 16.10.17.						
	T.S No:- CE/DZ/TS/226/16-17, Dt. 24.10.17						
	W.O No:- BBMP/EE/DD/WO/75/17-18, Dt. 16.11.17						
	Recorded on:- 26.03.18.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No-1:- Earthwork in Surface excavation in Ordinary Soil for dwelling & lowering the ground manually (other than foundation of buildings, Culverts, Road drains & trenches of pipe lines & Cables) & removing the excavated Stuff to a distance not exceeding 50m & lift upto 1.50m excavated Surface & neatly dressed as per Specifications						
	qty brought by this mB Page No – 63997 to 63997/1					qty 558.376 cum	
		@ Rs	166.42/cum			———	92925.00/-
	Item No-2 providing & laying in position plain Cement Concrete of mix 1:4:8 with OPC Cement @ 180Kgs, with 40mm & down Size graded granite metal Coarse aggregates @ 0.85 cu & fine aggregates @ 0.5						

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63930

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Dimensions Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	cum machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted in foundation including cost of all materials curing complete as per Specifications						
	qty brought this MB Page No:- 63998 to 63998/1					qty = 110.059 cum	
		@ Rs	5159.00/cum				567797.00/-

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಹೊಸದುರ್ಗ ಉಪ-ವಿಭಾಗ
ಚಿತ್ರದುರ್ಗ ಜಿಲ್ಲೆ

Item No 3 Design mix M20 with OPC cement @ 320 Kgs, with 20mm & down size graded granite metal coarse aggregates @ 0.69cum & fine aggregates @ 0.46 cum with superplastisizer + water 5 m height.

27/11/17

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5th Cross Left Side	2	30.00	0.60	0.15	5.40 cum	
		2	30.00	0.60	0.15	5.40 -11-	
		1	28.70	0.60	0.15	2.583 -11-	
	Side wall	4	30.00	0.30	0.15	5.40 -11-	
		4	30.00	0.30	0.15	5.40 -11-	
		2	28.70	0.30	0.15	2.583 -11-	
	Right Side	2	30.00	0.90	0.15	8.10 -11-	
		2	30.00	0.90	0.15	8.10 -11-	
		1	30.00	0.90	0.15	4.05 -11-	
		1	23.80	0.90	0.15	3.213 -11-	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63931

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	Side wall	4	30.00	0.75	0.15	13.50	
		4	30.00	0.75	0.15	13.50	
		2	30.00	0.75	0.15	6.75	
		2	23.80	0.75	0.15	5.355	
	6th Cross Right Side	2	30.00	0.60	0.15	5.40	
		2	30.00	0.60	0.15	5.40	
	[illegible]	1	30.00	0.60	0.15	2.70	
	9/12/17	1	9.60	0.60	0.15	0.864	

9/12/17

ಉಪಾಯುಕ್ತ ಕಾರ್ಯಾಲಯ ಆಡಳಿತ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಡಿಎಂಟಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Side walls.	4	30.00	0.15	0.30	5.40 - 11	
		4	30.00	0.15	0.30	5.40 - 11	
		2	30.00	0.15	0.30	2.70 - 11	
		2	9.60	0.15	0.30	0.864 - 11	
	left Side	2	30.00	0.90	0.15	8.10 - 11	
		2	30.00	0.90	0.15	8.10 - 11	
		1	9.00	0.90	0.15	1.215 - 11	
	Side walls.	4	30.00	0.15	0.75	13.50 - 11	
		4	30.00	0.15	0.75	13.50 - 11	
		2	9.00	0.15	0.75	2.025 - 11	

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. 63932

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6th A Cross.	1	30.00	0.90	0.15	4.05-11-	
		1	22.00	0.90	0.15	2.97-11-	
		1	16.00	0.90	0.15	2.16-11-	
	Side Walls	2	30.00	0.15	0.75	6.75-11-	
		2	22.00	0.15	0.75	4.95-11-	
		2	16.00	0.15	0.75	3.60-11-	
	Road.	1	30.00	$\frac{3.90+4.10}{2}$	0.15	18.00-11-	

Sudarsan 9/12/17

Surveyor 9/12/17

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{4.10+3.80}{2}$	0.15	17.775	-11-
		1	31.50	$\frac{3.80+4.10}{2}$	0.15	18.663	-11-
				Total qty ⇒		243.42 Sum	
		@ Rs 6965.56/m					1695484.00/-
	Item No-4 Supplying, fitting & placing TMT bar FE 500 Reinforcement in Sub-Structure Complete as per drawing & technical Specifications Complete as per Specifications.						
		Qty brought this MB Page No — 63998/1 to 63999					
						qty:- 12.95 tonne	860944 ≈
		@ Rs. 66482.14/tonne				—	860950.00/-

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63933

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No-5 providing & removing plinth, sills & string courses as per specifications						
	5th cross left side	8	30.00		0.30	72.00 Sqm	
		8	30.00		0.30	72.00	
		8	28.70		0.30	34.44	

Executive Engineer
Bruhat Bangalore Mahanagara Palike,
Bangalore-57.

Sudarsan 9/12/17
ಕಾರ್ಯನಿರ್ವಾಹಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5th Cross Right Side	8	30.00		0.75	180.00	11
		8	30.00		0.75	180.00	11
		4	30.00		0.75	90.00	11
		4	23.80		0.75	71.40	11
	6th Cross Right Side	8	30.00		0.30	72.00	11
		8	30.00		0.30	72.00	11
		4	30.00		0.30	36.00	11
		4	9.60		0.30	11.52	11
	6th Cross left Side	8	30.00		0.75	180.00	11
		8	30.00		0.75	180.00	11
		4	9.00		0.75	27.00	11

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara P
Dasarahalli Division, Banga

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. 63934

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6th A Cross.	4	30.00		0.75	90.00	
		4	22.00		0.75	66.00	
		4	16.00		0.75	48.00	
					Total qty ⇒	1482.36 Sqm	
	@ Rs 310.58/Sqm						460391.00/-

Item No 6:- Supplying & fixing precast reinforced concrete slab 10cm thick of misc m30 using 20mm & down size graded granite metal using

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Division, Bangalore-57.

Sudarsan 26/3/18

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತ
ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	reinforcement 10mm dia Stl at 150mm c/c both ways cost, transportation, hire charges, of with all leads & lift conveyance charges inclusive of cost of all materials						
	5th Cross left Side	1	30.00	0.90		27.00 Sqm	
		1	29.40	0.90		26.46 "	
	Right Side	2	30.00	0.90		54.00 "	
		2	30.00	0.90		54.00 "	
		1	30.00	0.90		27.00 "	
		1	23.80	0.90		21.42 "	

EXECUTIVE ENGINEER - 3
Bruhat Bangalore Mahanagara Palike
Basarahalli Division, Bangalore

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. 63935

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6th Cross Right Side	1	30.00	0.90		27.00-M	
		1	33.50	0.90		30.15-M	
	6th Cross left Side	2	30.00	0.90		54.00-M	
		2	30.00	0.90		54.00-M	
		1	9.00	0.90		8.10-M	
	6th A Cross		30.00	0.90		27.00-M	
			21.00	0.90		18.90-M	
			16.00	0.90		14.40-M	

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike,
Dasarahalli Division, Bangalore-57

Skdayan 26/3/18

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ ಕಛೇರಿ
ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

26/03/18

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		9	0.90	0.60		4.86-11-	C&RS
			Total qty ⇒			449.19 Sqm	
		@ Rs	1698.00/Sqm			—	762725.00/-
	Item No:-7 Removing & Refixing of precast slabs of drains & pointing in Cm 1:3 ute.						
	5th Cross Right Side	2	30.00	0.90		54.00 Sqm	
		1	22.00	0.90		26.10-11-	
	6th Cross left Side	2	30.00	0.90		54.00-11-	
		1	35.50	0.90		31.95-11-	
				Total qty ⇒		166.05 Sqm	
		@ Rs	80.56/Sqm				13377.00/-

EXECUTIVE ENGINEER - 4
Brihat Bangalore Mahanagara Palike

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63936

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	Item No 8:- Disposal of debris to the final place of disposal with all lead & lift & as direction by the engineer in charge of the work lead 4 Km Average earth of work 1.28 tonne/Km loading & unloading.					
	Qty vide Item No-1			Qty	558.376 cum	Row worksheet 26/03/18
		@ 18	85.65/ cum			47825.00/-
	Sladagar 26/3/18	450146	8-00	Total bill amt		4501474.00/-
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು	49516	1-00	KRIDL Service Charge 11%		495162.00/-
		499662	9-00	Total amt		4996636.00/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate This is to Certify that the Contractor has Completed the work Satisfactorily The Contractor has cleared the debris from the work Spot There are No departmental issues for the above work. 26/03/18						

26/03/18

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

Audited and admitted for Rs. 49760/-

Passed by Cheque for Rs. 45456/65 -00

Serial No. .....

Name of work ..... 45964 -00

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date .....

Accounts Superintendent

Exe. Engineer

B.B.M.P. Dasarahalli Division

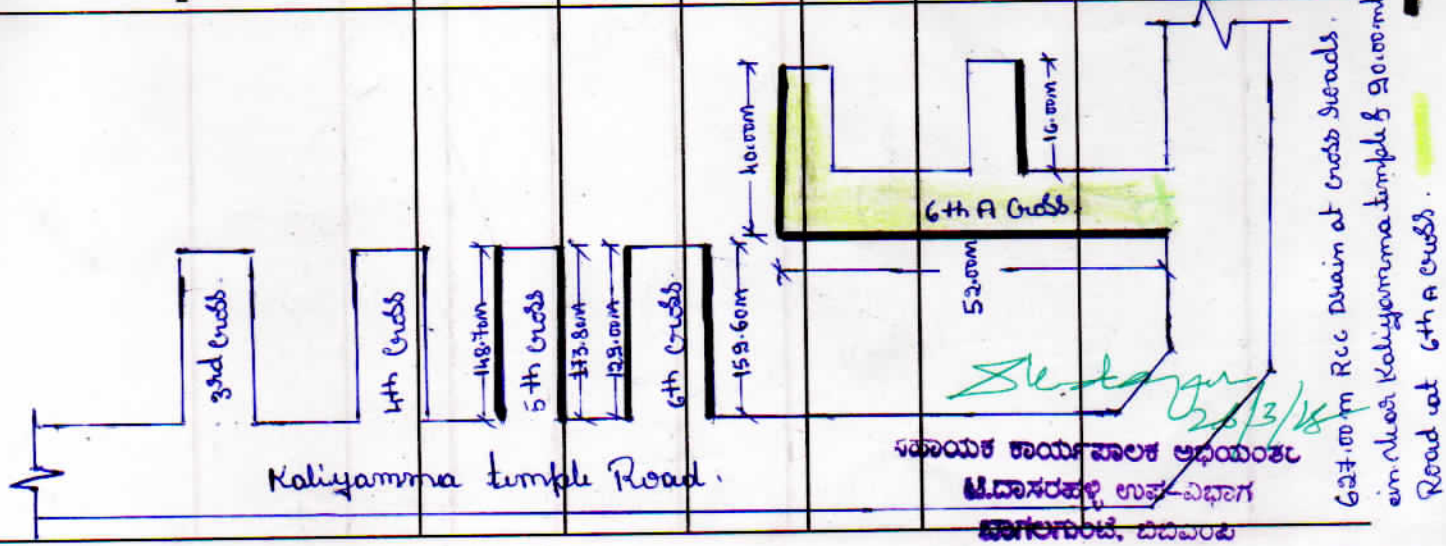
M. A. B. (16) No. D

Mea ...ok

63937

From ..... To .....

1	Full description, etc. of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಬಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ದಾಸರಹಳ್ಳಿ
ಬೆಂಗಳೂರು

26/3/18

637.00m RCC Drain at cross Roads in Near Kaliyamma temple & 90.00m Road at 6th A Cross.

26/03/18

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63996

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	Pre measurements Name of work:- Improvements to RCC drain & Covering Slab at Rajakaluve Nagar Cross roads, 3rd, 4th, 5th, 6th in Dasarahalli ward No-15. agency:- RRIDL Estimate Cost:- Rs 50.00 lakhs Recorded on:- 26/3/2018 Item No1:- Earthwork in surface excavation in ordinary soil for dwelling & lowering the ground manually (other than foundation of buildings, culverts, road drains, trenches of pipe lines & tanks) & removing					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	to be drilled after breaking of clods & neatly dressed as per Specification						
	5th cross Left Side	2	30.00	0.60	0.60	21.60	cum
		2	30.00	0.60	0.60	21.60	"
		1	28.70	0.60	0.60	10.332	"
	Right Side	2	30.00	1.00	0.90	54.00	"
		2	30.00	1.00	0.90	54.00	"
		1	30.00	1.00	0.90	27.00	"
		1	23.80	1.00	0.90	21.42	"
	6th Cross Right Side	2	30.00	0.65	0.60	23.40	"
		2	30.00	0.65	0.60	23.40	"

Contd...

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63997

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	0.65	0.60	11.70	
		1	9.60	0.65	0.60	3.744	
	Left Side	2	30.00	1.00	0.90	54.00	
		2	30.00	1.00	0.90	54.00	
		1	9.00	1.00	0.90	8.10	
	6th A Cross Road	1	30.00	1.00	0.90	27.00	
		1	22.00	1.00	0.90	19.80	
	G.F. Road	1	16.00	1.00	0.90	14.40	

Contractor 27/11/17

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆ.ಆರ್.ಪುರಂ ಉಪ-ವಿಭಾಗ
ಬಾಣಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

27/11/17

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CC Road.						
		1	30.00	$\frac{3.90+4.10}{2}$	0.30	36.00	11
		1	30.00	$\frac{4.10+3.80}{2}$	0.30	35.55	11
		1	31.50	$\frac{3.80+4.10}{2}$	0.30	37.33	11
					Total qty =	558.376 cum	

Item No 21:- providing & laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm & down size graded granite metal coarse aggregates @ 0.85 cu & fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick with Hom of machinery curing complete as per Specifications

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63998

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	5th Cross Right Side	2	30.00	1.00	0.15	9.00 Cum.	
		2	30.00	1.00	0.15	9.00 - 11=	
		1	30.00	1.00	0.15	4.50-11=	
		1	23.80	1.00	0.15	3.57-11-	
	6th Cross left Side	2	30.00	1.00	0.15	9.00-11-	
		2	30.00	1.00	0.15	9.00-11-	
		1	9.00	1.00	0.15	1.35-11-	
	6th A Cross Road.	1	30.00	1.00	0.15	4.50-11-	
		1	22.00	1.00	0.15	3.30-11-	
		1	16.00	1.00	0.15	2.40-11-	

15/12/17

CRC

Sudarsan 5/1/17

ಸಾರ್ವಜನಿಕ ಲೆಕ್ಕಪತ್ರಗಳ ಅಧಿಕಾರಿ ಮತ್ತು ಲೆಕ್ಕಪರಿಶೋಧಕರು ಬೆಂಗಳೂರು ಉಪ-ವಿಭಾಗ ಬೆಂಗಳೂರು, ಬೆಂಗಳೂರು ದೇಹಾತು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CC Inrad.	1	30.00	$\frac{3.90+4.10}{2}$	0.15	18.00	-11-
		1	30.00	$\frac{4.10+3.80}{2}$	0.15	17.775	-11-
		1	31.50	$\frac{3.80+4.10}{2}$	0.15	18.664	-11-
				Total qty ⇒		110.059 cum	

Item No 4:- Supplying, fitting & placing TMT bar Fe 500 reinforc
in Sub-Structure complete as per drawing & technical Specificatio

Sl No	dia of bar	length of rods	No of rods	Total length	weight in Kg/mtr	Total weight
1)	main bar 10mm ϕ	660.00	20.00	13200	0.62	8184.00

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63999

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
2)	distribution bar 8mm ϕ	2200.00	2.70	59 40.00		0.39	2316.60.
3)	main bar 10mm ϕ	4.00	601.00	24 04.00		0.62	1490.48
4)	distribution bar 8mm ϕ	88.00	28.00	24 64.00		0.39	960.96
						Total qty ⇒	12952.04 Kg
						⇒	12.95 tonne

8/12/17

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಹೆಚ್.ಡಿ.ಕೋಟೆ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ

8/12/17